

# Exhibit 53

ADVANCED CARDIOVASCULAR SYSTEMS  
EXTRUSION DATA SHEET

START TIME: EXTRUSION #: 10-616-1 AMOUNT (FEET): 1000  
FINISH TIME: DATE: 7-18-94 SIGNATURE/DATE J.W. 7-18-94

MATERIALS :	MATERIAL DESC.	LOT# :	RM#
<del>PEEK POWDER</del>		NGH175A	
PEK			

EXTRUDER 10 PROCESS PERSON T.TOMAS

REQUESTOR S. SCHABIELE

PRODUCT SHAFT SA#

SET-UP PARAMETERS:

MANDREL LGTH (EXT ONLY)	FLUSH	EXPERIMENTAL Y
DIE I.D. .199	OVAL N	PRODUCTION N
MANDREL O.D. .135	XHEAD Y	STRAIGHT N
SCREW TYPE PE 4770-3		
SCREEN TYPE 20 80 20		
START ID/OD .032/.038		
FINISH ID/OD .032/.038		

*Not good for ref.*

PROCESS PARAMETERS

TEMPERATURE SETPOINTS		SPEEDS & SETPOINTS		PSI & AIR	
ZONE 1	60 0.0 MELT	766 0.0	SCREW RPM	6.0	HEAD PSI 495.0
ZONE 2	66 0.0 DIE	1 32.0	PSI SET	509.0	DIE PSI 509.0
ZONE 3	675.0 DIE	2 0.0	EXTR. AMP	15.1	AIR PSI 1 4.6
CLAMP	675.0 DIE	3 690.0	PUL SPEED	79	2 0.2
INLET	685.0 W/B TEMP	0.0	W/B DIST.	1"	3 0.3
G/PUMP	0.0				4 0.5
<del>PUMP OUT</del>	<del>600.0</del>				
XHEAD	0.0				
MATERIAL DRYING TMP.	300	DEWPOINT	<del>72</del>	# OF HRS DRYING	72

ACTUAL PARAMETER COLLECTED EVERY 10 MINUTES

SETPOINT	ACTUAL 1	ACTUAL 2	ACTUAL 3	ACTUAL 4	ACTUAL 5
G/PUMP PSI					
PUMP AMP					
SCREW RPM					
EXTRUDER AMP					
PULLER SPEED					
BARREL 1					
BARREL 2					
BARREL 3					
HEAD PSI					
TUBING O.D.					
AVG.DIA.					
AVG.STD.DEV.					